

**United States Patent [19]
Alechine**

**[11] Patent Number:
[45] Date of Patent:**

[54] DIFFERENTIAL AMPLIFIER

**[76] Inventor: Evgueni S. Alechine,
17-20 Irtishskaya St., 680006, Khabarovsk, Russia.**

[22] Filed: December 06, 2000

[51] Int. CI. H03F 1/00

[52] U.S. CI. 381/26; 381/68.2

OTHER PUBLICATIONS

“Amplifying Devices”, G.S. Ostapenko, Radio and Communication,
1989.

Attorney, Agent, or Firm – Not Applicable

[57]

ABSTRACT

The invention relates to devices to amplify electrical signals and more particularly, to differential amplifiers. An object of the invention is a creation of differential amplifier which is symmetric with regard to the power source, the balance of which does not depend on a parameter difference of amplifying elements. The object is obtained by differential amplifier which is made under a circuit of the series balance that lets to achieve the symmetry of differential amplifier with regard to the power source, and its balance does not depend on a parameter difference of amplifying elements.

1 Claim, 1 Drawing Sheet